

Work Order ID 113439

March-27-14 7:30:41 AM

113439

Page 1

Item ID: D412-711-111

Revision ID:

Item Name: Wiring Harness For Vertical Reference Door

Start Date: 2/14/14 Start Qty: 1.00 *1*

Required Date: 3/05/14 Req'd Qty: 1.00 *1*

Reference:

Accept

N900040100

Setup Start *NS1*

Stop *NS2*

Cust Item ID:

Customer:

Approvals: Process Plan: _____ Date: _____

QC: _____ Date: _____

Tooling: _____ Date: _____

SPC (Y/N): _____ Date: _____

Run Start *NR1*

Stop *NR2*

Sequence ID/
Work Center IDOperation
DescriptionSet Up/
Run Hours

Tool ID

Tool #

Plan
CodeAccept
QtyReject
QtyReject
NumberInsp.
Stamp

Draw Nbr

Revision Nbr

N/A

Rev N/A

100

100

Purchasing

Purchasing

PURCHASING

Memo

Issue P/O: 23012 to Eagle Copters Certificate of Conformity is required

0.00

0.00

DAS
42
9-89

MAR 26 2014

110

110

Packaging

Packaging

Receive & Inspect for Damage & Mat'l Certs

Memo

Ensure that Certificate of Conformity is attached

0.00

0.00

DAS
42
9-89

MAR 26 2014

120

120

QC

Quality Control

QC4- 100% Inspect kits for completeness

Memo

0.00

0.00

DAS
42
9-89

MAR 26 2014

Work Order ID 113439

March-27-14 7:30:41 AM

113439

Page 2

Item ID: D412-711-111

Accept

N900040100Setup Start ***NS1***

Revision ID:

Stop ***NS2***

Item Name: Wiring Harness For Vertical Reference Door

Start Date: 2/14/14 Start Qty: 1.00 ***1***

Cust Item ID:

Required Date: 3/05/14 Req'd Qty: 1.00 ***1***

Customer:

Reference:

Approvals: Process Plan: _____ Date: _____

Tooling: _____ Date: _____

Run Start ***NR1***

QC: _____ Date: _____

SPC (Y/N): _____ Date: _____

Stop ***NR2***Sequence ID/
Work Center IDOperation
DescriptionSet Up/
Run Hours

Tool ID

Tool #

Plan
CodeAccept
QtyReject
QtyReject
NumberInsp.
Stamp

130

Identify as per dwg & Stock Location: _____

0.00

130

Packaging

Memo

0.00

Packaging

140

QC21- Final Inspection - Work Order Release

0.00

140

QC

Memo

0.00

Quality Control

MLJ 14-03-27

CL 14/03/27

Picklist Print

March-27-14 7:30:55 AM

Page 1

Work Order ID: 113439

113439

Parent Item: D412-711-111

D412-711-111

Parent Item Name: Wiring Harness For Vertical Reference Door

Start Date: 2/14/14

Required Date: 3/05/14

Start Qty: 1.00

Required Qty: 1.00

Comments: IPP Rev:A04.11.09New issueKJ/JLM

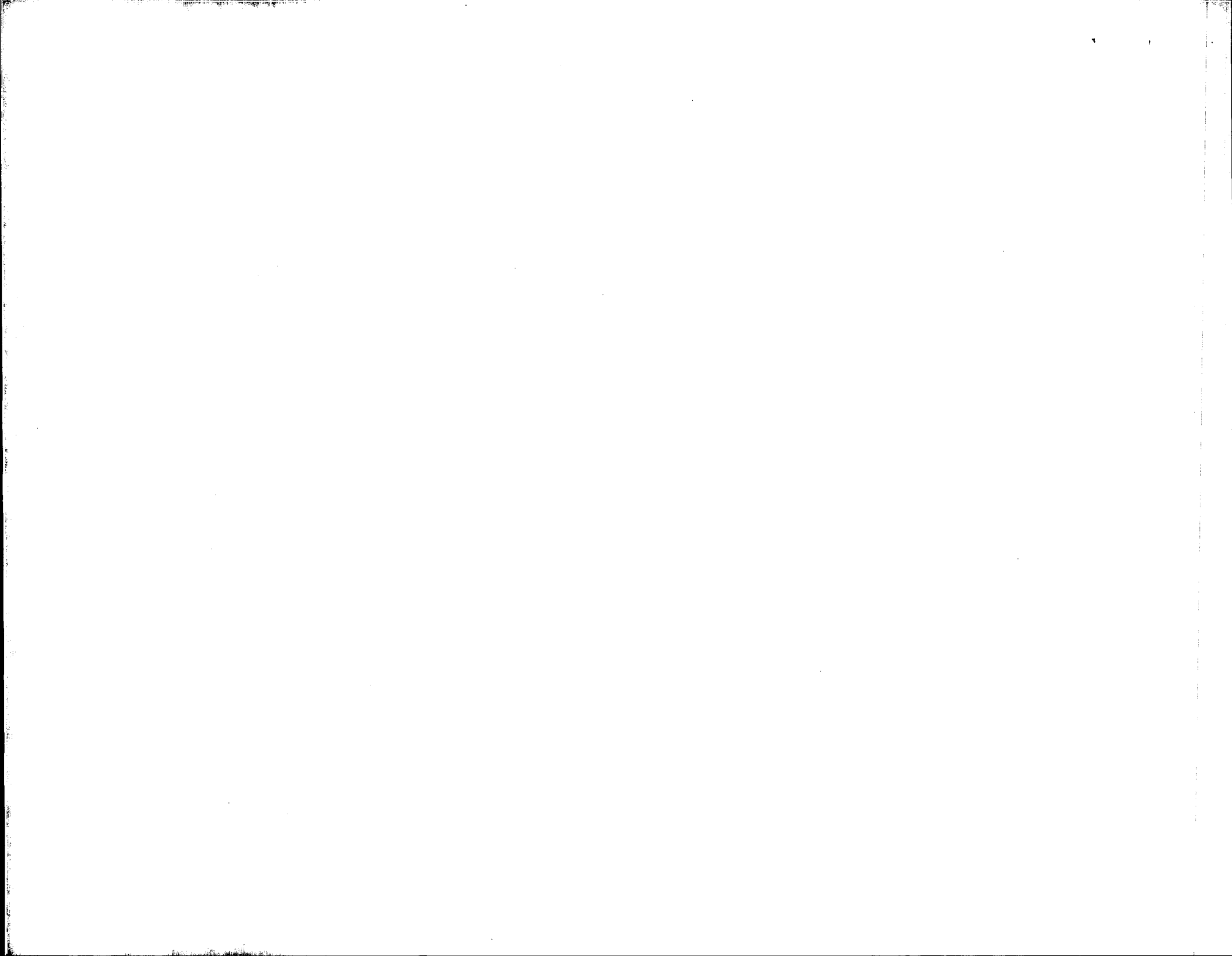
Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
D412-711-111P *D412-711-111P* Wiring Harness		Purchased		No		110	Each	0.0000	1 **				

DAS

42

0-89

MAR 26 2014



Work Order Number: 51092

Build Wiring Harness for Vertical Reference Door

This Work Report forms part of this aircraft's permanent technical records - DO NOT DESTROY.

Item: 1 Wiring Harness For Vertical Reference Door

Squawk: 1.1**Discrepancy:**Build wiring harness for
VRD for Bell 212 s/n 31179**Resolution:**Assembled wiring harness
for VRD for Bell 212 s/n
31179 IAW DWG
D2046903.

1.1 Work Done By: CAROL ROBINSON

The maintenance described above has been performed in accordance with the applicable standards of airworthiness.

AMO 6-81 Signature: Graeme Rowe on 26/03/2014

Parts:

Part Number	Description	Serial Number	Lot Number	Condition	Qty
126-198	Connector		LT-14-003611	New	1
126-195	CONNECTOR		LT-12-005363	New	1
MS3126E12-10SW	CONNECTOR		LT-14-003730	New	1
MS3120E12-10PW	CONNECTOR		LT-12-008596	New	1
MS3126E12-10S	CONNECTOR		LT-14-003734	New	1
MS3120E12-10P	CONNECTOR		LT-13-015432	New	1
MS3120E12-10P	CONNECTOR		LT-14-004309	New	1
MS3126E8-33SW	CONNECTOR		LT-14-003732	New	1
MS3120E8-33PW	Connector		LT-14-003733	New	1
MS3126E8-33S	CONNECTOR		LT-13-000380	New	1
MS3120E8-33P	Connector		LT-13-015433	New	1
MS3126E10-6S	CONNECTOR		LT-13-006655.2	New	1
MS3120E10-6P	MS3120E10-6P/CONNECTO R		LT-08-018590	New	1
MS25041-8	LIGHT		LT-13-015819	New	1
MS25041-6	LIGHT		LT-13-006525	New	2
XPF-1/4	EXPANDABLE SLEEVING		LT-13-010681	New	8
XPF-1/4	EXPANDABLE SLEEVING		LT-13-010681	New	8
XPF-3/4	EXPANDABLE SLEEVE		LT-12-009422	New	8
XPF-3/8	EXPANDABLE SLEEVE		LT-13-005375	New	6
327	LIGHT BULB		LT-13-018769	New	3

* End of Report *

***** Original Maintenance Releases and Independent Control Inspection details are stored electronically at *****
 ***** Eagle Copters Maintenance Ltd. in Calgary Alberta in the Corridor Software *****

Work Order ID 113439

February-14-14 7:58:07 AM

113439

Page 1

Item ID: D412-711-111

Revision ID:

Item Name: Wiring Harness For Vertical Reference Door

Start Date: 2/14/14

Start Qty: 1.00

1

Required Date: 3/05/14

Req'd Qty: 1.00

1

Reference:

Accept

N900040100

Setup Start

NS1

Stop

NS2

Cust Item ID:

Customer:

Approvals:

Process Plan: CADate: 14/02/14

Tooling:

Date:

Run Start

NR1

QC:

Date:

SPC (Y/N):

Date:

Stop

NR2Sequence ID/
Work Center IDOperation
DescriptionSet Up/
Run Hours

Tool ID

Tool #

Plan
CodeAccept
QtyReject
QtyReject
NumberInsp.
Stamp

Draw Nbr

Revision Nbr

N/A

Rev N/A

100

0.00

100

PURCHASING

Purchasing

Memo

0.00

Purchasing

Issue P/O: 23012 to Eagle Copters Certificate of Conformity is requiredCA 14/02/14 ①

110

0.00

110

Receive & Inspect for Damage & Mat'l Certs

Packaging

Memo

0.00

Packaging

Ensure that Certificate of Conformity is attached

1x 8P 14-3-27

120

0.00

120

QC4- 100% Inspect kits for completeness

QC

Memo

0.00

Quality Control

Work Order ID 113439

February-14-14 7:58:07 AM

113439

Page 2

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Approvals:

Process Plan: _____ Date: _____

QC: _____ Date: _____

Tooling:

Date: _____

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Date: _____

Run Start

NR1

Stop

NR2Sequence ID/
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DescriptionSet Up/
Run Hours

Tool ID

Tool #

Plan
CodeAccept
QtyReject
QtyReject
NumberInsp.
Stamp

130

Identify as per dwg & Stock Location: _____

0.00

130

Packaging

Memo

0.00

Packaging

140

QC21- Final Inspection - Work Order Release

0.00

140

QC

Memo

0.00

Quality Control

MCJ 14-03-27

CL14/03/27



Picklist Print

February-14-14 7:58:07 AM

Page 1

Work Order ID: 113439

113439

Parent Item: D412-711-111

D412-711-111

Parent Item Name: Wiring Harness For Vertical Reference Door

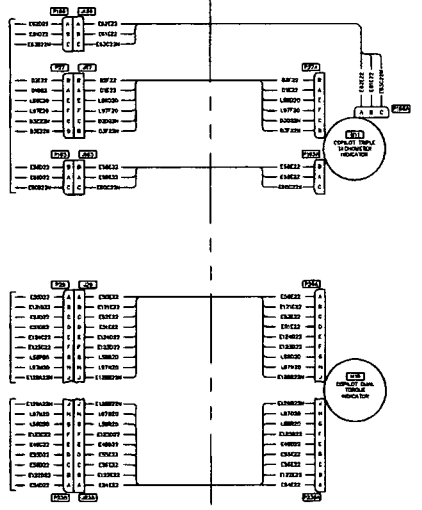
Start Date: 2/14/14**Required Date:** 3/05/14

Start Qty: 1.00

Required Qty: 1.00

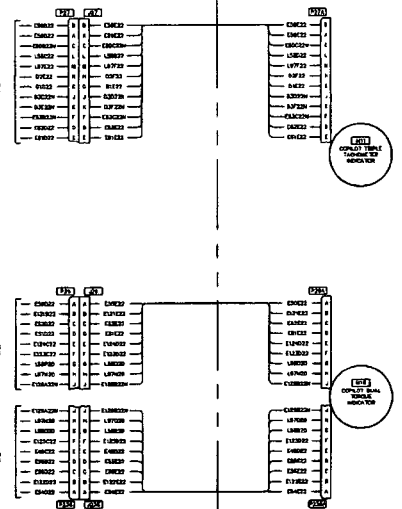
Comments: IPP Rev:A04.11.09New issueKJ/JLM

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
D412-711-111P		Purchased	No			110	Each	0.0000	1	1			
D412-711-111P									**	1x	8/14-3-27		
Wiring Harness													



NOTES

ALL INSTRUMENTS FITTED INTO DOOR ARE REMOVED FROM COPILOT INSTRUMENT PANEL.
INSTRUMENT WIRING INSIDE DOOR BUNDLED AND BOUND WITH CORD TO PROTECT FROM "PICK-UP". LENGTH TO ALLOW FULL OPENING OF DOOR.
HOOK TRIPLE TACHOMETER AND DUAL TORQUE CONNECTORS TO EXISTING COPILOT CANNON PLUGS.
SPICE FIRE WARNING AND MASTER CAUTION WIRES AS NOTED AT CONNECTORS P33 AND P34.

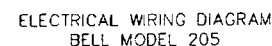
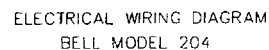


FOR CONTINUATION REFER TO
 BOLL AC000 FTL BARRERANCE MARVAL VOL. 2
 SET 3 30004 THRU 30005 P/L 00-0 DVT. 1 REV. 0
 SET 3 30004 THRU 30005 P/L 00-0 DVT. 2 REV. 0

FOR CONTINUATION REFER TO
 BOLL AC000 FTL BARRERANCE MARVAL VOL. 2
 SET 3 30004 THRU 30005 P/L 00-0 DVT. 1 REV. 0
 SET 3 30004 THRU 30005 P/L 00-0 DVT. 2 REV. 0

CONNECTOR LIST			
AERO DESIGN LTD.			
CONSULTING ENGINEERS 7450 HURON AVENUE, SUITE 2000 1040 MIDLAND ROAD N.E., CALGARY, AL. T2G 1G9			
EAGLE COPTERS LTD.			
820 McPATRICK ROAD N.E., CALGARY, ALBERTA, T2E 7G9			
BELL 204, 205, 212 & 214			
VERTICAL REFERENCE DOOR INSTALLATION			
N/A	DWG. SIZE	DWG. NO.	REV.
SHEET 1 OF 1	A1	D2046903	0

BASIC CODE	DASH NO. FOR DIA = INFO READ HEAR SIDE = INFO READ FAR SIDE	APPROVALS		DATE
		SIGNED	E. BURTON	10 OCT 1991
		CHECKED		
		STRESS:		
D=DRAWN DASH = # OF SHEETS TO BE DRAWN CX=COMMENTS/INK	DASH NO. FOR LENGTH	UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ON		
BASIC CODES:	* C INSTALL NEW RIVET	DECIMALS	ANGLES	
Bu = HES2070AD	+ + REMOVE/REPLACE RIVET	X.XX ±0.01	±1/2°	
Bz = HES2070AD		X.XX ±0.03		
Lz = HAS10970AD		X.XX ±0.1		
CX = HES20470AD	* X EXISTING RIVET			



- ## NOTES

1. ALL INSTRUMENTS FITTED INTO DOOR ARE REMOVED FROM COPILOT INSTRUMENT PANEL.
2. INSTRUMENT WIRING INSIDE DOOR BUNDLED AND BOUND WITH CORD TO PROVIDE A "PISTILL": SUFFICIENT TO ALLOW FULL OPENING OF DOOR.
3. REMOVE AIR FLOW METER AND TORQUE CONNECTORS TO EXISTING COPILOT CANNON PLUGS.
4. SPLICED FIRE WARNING AND MASTER CAUTION WIRES AS NOTED AT P2 AND P2A.

BASIC CODE	DASH NO. FOR DIA N=NO DIA HEAD INCL SET F=NO DIA HEAD FOR SET	APPROVALS	DATE
Q=NO DIA DASH = # OF SHIFTS TO BE COMPLE C=COUNTERS/LIN	DASH NO. FOR LENGTH	DRIVEN F BURTON	10 OCT
		CHOKED	
		STRESS	
		STRESS	
BASIC CODE	* $\odot$ INSTALL NEW MPT	UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	
RI = M520470AL	+ $\oplus$ REMOVE/REPLACE MPT	INCHES	ANGLES
BE = M520470AL		PER .0010	1/2
LI = M520470AL		PER .0010	1/2
CI = M5204700	* $\odot$ EXISTING MPT	PER .0010	1/2

[illegible]

AERO DESIGN LTD

EAGLE COPTERS LTD

EAGLE COPIERS LTD.
823 McTAVISH ROAD N.E., CALGARY, ALBERTA, T2E 7G9

BELL 204, 205, 212 & 214

VERTICAL REFERENCE DOOR

WIRING DIAGRAMS

DWG. SIZE	DWG. NO.
-----------	----------

N/A	DRG. SIZE A1	DRG. NO D2046904	REV 1
SHEET 1 OF 1			

LIST OF MATERIALS				
ITEM	QTY	PART NUMBER	DESCRIPTION	SUPPLIER
1	1	MS3121F10-6P	CONNECTOR, RECEPTACLE (J27)	
2	AR (30)	M39029/31-240	CONTACTS, PINS	
3	1	MS3126E10-6S	CONNECTOR, PLUG (P27A)	
4	AR (30)	M39029/32-259	CONTACTS, SOCKET	
5	1	MS3121F8-33P	CONNECTOR, RECEPTACLE (J165)	
6	1	MS3126E8-33S	CONNECTOR, PLUG (P165A)	
7	1	MS3121F8-33PW	CONNECTOR, RECEPTACLE (J166)	
8	1	MS3126E8-33SW	CONNECTOR, PLUG (P166A)	
9	1	MS3121F12-10P	CONNECTOR, RECEPTACLE (J29)	
10	1	MS3126E12-10S	CONNECTOR, PLUG (P29A)	
11	1	MS3121F12-10PW	CONNECTOR, RECEPTACLE (J238)	
12	1	MS3126E12-10SW	CONNECTOR, PLUG (P238A)	
13	1	126-198	CONNECTOR, RECEPTACLE (J901)	
14	1	126-195	CONNECTOR, PLUG (P901)	
15	1	MS3471W10-6P	CONNECTOR, RECEPTACLE (5M8J1)	
16	AR (9)	M39029/4-110	CONTACTS, PINS	
17	1	MS3475W10-6S	CONNECTOR, PLUG (5M8P1A)	
18	AR (9)	M39029/5-115	CONTACTS, SOCKETS	
19	4	M85049/52-1-10W	BACKSHELL	
20	1	MS3471W10-6PW	CONNECTOR, RECEPTACLE (5M8J2)	
21	1	MS3475W10-6SW	CONNECTOR, PLUG (5M8P2A)	
22	1	MS27474T8B-35P	CONNECTOR, RECEPTACLE (5M8P3)	
23	AR (6)	M39029/58-360	CONTACTS, PIN	
24	1	MS27484T8B-35S	CONNECTOR, PLUG (5M8P3A)	
25	AR (6)	M39029/57-354	CONTACTS, SOCKET	
26	2	M85049/49-2-8W	BACKSHELL	

NEW WIRE / UNIT
EXISTING WIRE / UNIT

NOTES:

- ALL NEW UNSHIELDED WIRE USE M22759/41-XX-9 TYPE WIRE UNLESS OTHERWISE SPECIFIED (M22759/41-XX-X IS NOT INTENDED TO BE USED IN SOLDER APPLICATIONS, SOLDERABILITY CAN BE ACHIEVED WITH THE PROPER SOLDER. USE CRIMP SPLICES FOR REPAIR).
- ALL NEW TWISTED SHIELDED CABLE USE M27500-XX-TGKT14 TYPE CABLE UNLESS OTHERWISE SPECIFIED.
- ALL WIRES 22 AWG UNLESS OTHERWISE SPECIFIED.
- IDENTIFY/CODE ALL WIRES AND CABLES IN ACCORDANCE WITH BHT-ELEC-SPM PARAGRAPH 3-2.
- KEEP ALL JUMPERS, LOGIC STRAP, POWER, CHASSIS AND SIGNAL GROUND WIRES AS SHORT AS POSSIBLE.
- ALL SPLICES MUST CONFORM TO MIL-S-81824, OR EQUIVALENT AND BE INSTALLED IN ACCORDANCE WITH BHT-ELEC-SPM PARAGRAPH 4-10.
- ALL TERMINALS TO BE INSTALLED IN ACCORDANCE WITH BHT-ELEC-SPM PARAGRAPH 4-9.
- ALL ELECTRICAL GROUNDING AND BONDING TO BE INSTALLED IN ACCORDANCE WITH BHT-ELEC-SPM CHAPTER 8.
- PROVIDE SEPARATE GROUND STUD LOCATIONS FOR DC POWER GROUNDS, AC POWER GROUNDS, CHASSIS GROUNDS, SIGNAL GROUNDS AND SHIELD GROUNDS.
- ALL CONNECTORS TO BE INSTALLED IN ACCORDANCE WITH BHT-ELEC-SPM CHAPTER 5.
- ENSURE ALL UNUSED CONNECTOR CONTACTS ARE FILLED WITH SPARE PINS/SOCKETS OR PLASTIC GROMMET SEALING PLUGS.
- ENSURE ALL INSTALLED EQUIPMENT IS LABELLED USING A BROTHER P-TOUCH LABEL MAKER OR EQUIVALENT MAKER WITH A FONT SIZE OF 10 PT. ENSURE LEGIBILITY.

A	NEW ISSUE	KB	10.08.23
REV.	DESCRIPTION	BY	DATE
DESIGN	KB	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
DRAWN	KB		
CHECKED	CB	DRAWING NO.	REV. A
MFG. APPR.	GR	D412-711-901	SHEET 1 OF 3
APPROVED	#	TITLE	SCALE
DE APPR.	#	VRD - 412 WIRING DIAGRAM	NTS
DATE	10.08.23	COPYRIGHT © 2010 BY DART AEROSPACE LTD THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD.	

Eagle Copters Maintenance Ltd

823 McTavish Rd, NE
Calgary, Alberta T2E 7G9
Canada

Packing

March 26, 2014

Telephone: (403) 250-7370

Fax: (403) 250-7370

Shipment number: SH#14-000902

Customer PO number: 23012

Ship To: Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Canada

Ship Via: FED EX

Carrier Terms:

Phone:

Waybill: 590372616049

Customer PO number: 23012

Item	Part Number	Part Description	Current Location	Qty	UOM	Serial Number	Lot N
1	D412-711-111	Wiring Harness For Vertical Reference Door	Eagle Avionic Systems	1	✓	N/A	

Work Order Number: 51092.1

Eagle PO Number:

All Parts being sent on this packing slip have the original certification on file at Eagle Copters Ltd.

* End of Report *

SP14-3-27

>> denotes that the Packing Slip line item has already been printed.



DATE: 26 Mar 14

Page 1

FROM: Eagle Copters Maintenance Ltd.

823 McTavish Rd. NE

Calgary, AB, Canada

T2E 7G9

SHIP TO : DART Aerospace

[illegible]

CERTIFICATE OF COMPLIANCE

X

EAGLE COPTERS CERTIFIES THAT THE ITEMS OR MATERIALS COVERED BY THIS DOCUMENT HAVE BEEN INSPECTED AND TESTED IN ACCORDANCE WITH THE TECHNICAL SPECIFICATIONS OF THE CONTRACT AND THAT ALL INSPECTION OPERATIONS AND TESTS HAVE BEEN COMPLETED AND THE PRODUCTS COMPLY IN EVERY RESPECT WITH THE RELEVANT PARTICULAR SPECIFICATIONS, DRAWINGS, AND RELEVANT STANDARDS AND REGULATIONS IN FORCE.

DISTRIBUTOR STATEMENT OF CONFORMANCE

7

I HEREBY CERTIFY THAT THE AIRCRAFT PARTS DESCRIBED HEREON WERE ACQUIRED FROM A SOURCE OF SUPPLY THAT IS CONSISTENT WITH THE CONDITIONS UNDER WHICH TRANSPORT CANADA APPROVED DISTRIBUTOR APPROVAL NUMBER 6-81 HAS BEEN GRANTED

AUTHORIZED INSPECTOR:

TCCA APPROVAL NO. 6-81





Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID PO23012

Purchase Order Date 2/14/2014

PO Print Date 2/14/2014

Page Number 1 of 1

Order From :

VU-EAG002

Ship To : DART AEROSPACE LTD

EAGLE COPTERS MAINTENANCE LTD.
823 MCTAVISH ROAD N E
CALGARY, AB T2E 7G9
CA

1270 ABERDEEN
HAWKESBURY, ON K6A 1K7
CANADA

FAKED
CS 1/10/14

Contact Name

Vendor Phone

403-250-7370

Buyer

Chantal Lavoie

Customer POID

Customer Tax #

10127-2607

Terms

Net 30

Currency

USD

FOB

Destination-Collect

Ship To Contact

Ship To Phone

Ship Via:

Ship Acct:

Line Nbr	Reference Vendor Part Number	Description/ Mfg ID	Req Date/ Taxable	CD	Req Qty/ Unit of Measure	PO Unit Price	Extend Pri
	Line Comments		Promise Date				
	Delivery Comments						
1	D412-711-111P	Wiring Harness	3/8/2014		1.00 ✓ Each	\$1,004.00	\$1,004.1
			1/4 Yes 3/8/2014				
	WIRING HARNESS FOR VERTICAL REFERENCE DOOR B113439						
	NOTE: MODEL BELL 212 SERIAL S/N: 31179						

8814-3-27

Line Total: \$1,004.1

PO Total: \$1,004.1

PO Instructions: Procurement Quality Clauses
A005 right of entry
A016 personnel qualification
A018 electrical equipment
A019 electrical cables (wires)
A026 certification of material conformance
A040 notification of quality escape

CS 1/10/14

Note: Pricing listed above is as per contract agreement between Dart Aerospace and the respective manufacturer.